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(54) MOLD DESIGNING METHOD AND MOLD
DESIGNING SUPPORT SYSTEM

(57) Abstract:

PURPOSE: To improve the designing quality and efficiency in a method where a mold which is divided into plural parts on its parting surface is designed by deciding the shape of a mold combination face by a computer so as to secure a proper clearance between the mold combination faces counter to each other in a mold combined state.

CONSTITUTION: An undivided mold material solid model, a product solid model and a reference parting surface model are inputted to a computer (S10-S30). A pair of mold combination faces where a proper clearance is secured in a mold combined state are produced in a surface model by the computer based on those input information (S60, S70). Then the intersecting line is calculated between a pair of mold combination faces and the mold material surface, and the mold material is divided into an upper die and a lower die based on the intersecting

line so that an upper die solid model and a lower die solid model are obtained (S80-S100).

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